

Serial Number: 09/820,425B**ENTERED**CRF Processing Date: 1/15/2002Edited by: AOVerified by: AO

(STIC stat

0590
0/02

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

OIPE

RAW SEQUENCE LISTING

DATE: 01/15/2002

PATENT APPLICATION: US/09/820,425B

TIME: 20:24:24

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01152002\I820425B.raw

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3 <110> APPLICANT: Chen, Sei-Yu
4     Hu, Ping
5     Recipon, Herve
6     Macina, Roberto
8 <120> TITLE OF INVENTION: Compositions and Methods of Diagnosing, Monitoring,
9     Staging, Imaging and Treating Lung Cancer
11 <130> FILE REFERENCE: DEX-0203
13 <140> CURRENT APPLICATION NUMBER: US/09/820,425B
14 <141> CURRENT FILING DATE: 2001-03-29
16 <150> PRIOR APPLICATION NUMBER: 60/192,921
17 <151> PRIOR FILING DATE: 2000-03-29
19 <160> NUMBER OF SEQ ID NOS: 19
21 <170> SOFTWARE: PatentIn Ver. 2.1
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31 tatcataagc tt                                     132
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35 <211> LENGTH: 118
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37 <213> ORGANISM: Homo sapiens
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46 <212> TYPE: DNA
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62 cacctatgac agctttg                                     137
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66 <211> LENGTH: 101
67 <212> TYPE: DNA
68 <213> ORGANISM: Homo sapiens

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RAW SEQUENCE LISTING

DATE: 01/15/2002

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Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01152002\I820425B.raw

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76 <211> LENGTH: 704

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78 <213> ORGANISM: Homo sapiens

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 83 gcgatacatc atatttcaat ccgcttgcta gctcagatct ctgtgggttat ggggtaacaa 180
 84 acagtcggat gcagaaaaac tatccatgaa ttcagcaaac acagttagcc gtaggtcgaa 240
 85 gaatccctaa accgctctta acaatcatat aatccatact gctgagcgac attagactgg 300
 86 gctgctacac ctgtgctcgt tcagccgaca gcccaagcca tgtacccccg catcctcctt 360
 87 ctccataat ctcccacaag acgatcaca gctatggcca gtacatcagt ggtcaatag 420
 88 cctgacatcc ctgctgtctg caactcgtca ctcccgctc acacagttcc accacaacca 480
 89 taccgagcca acccgcccc accagcccc caccgcccc gggcgcgcgc ccacgcccc 540
 90 ccccaaggcc acccccacc accgagccac ccccccccc cgtccacac ccgaccaggc 600
 91 cacccccacc ccccacgac cgcaaccaga gcccccaccg ccgacccgc ccccgcccc 660
 92 ccgcccagca ccccaccgc aaccaccgc ccccccccc gcac 704

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98 <213> ORGANISM: Homo sapiens

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103 <223> OTHER INFORMATION: a, c, g or t

105 <220> FEATURE:

106 <221> NAME/KEY: unsure

107 <222> LOCATION: (125)..(126)

108 <223> OTHER INFORMATION: a, c, g or t

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 112 cagtgtttga gagttgagag cgagactcgt gtgtgggttac nagacttcta cagtgtcaac 120
 113 atgcnnacgc agaaaataag tcttg 145

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117 <211> LENGTH: 715

118 <212> TYPE: DNA

119 <213> ORGANISM: Homo sapiens

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 123 atttgggaaa tgagttagat tctggacagt ctgatacgt gatctactag ctcaacaact 120
 124 gtatcattac cactggtaca gtataagatc tcaactaacg ccgcaaaccg acatttcaga 180
 125 ctatctaacc attacatttg tacaattcca tagtgagtat caacgtttat cactacaccg 240
 126 aagtgcatta agcacacatg cagtgcacaa cattotacaa actgcagcac caccatggcg 300
 127 tctacggcga attcagctag cgggctgata tcacagacac gaccactagc cccactcgc 360
 128 ttatcactac tatacaccta tatacgtgct tgaactaaca ctatottcga tagtttaact 420
 129 cgtacctttt gcctcgacac ctacacaggac acagttcgt catacaccta gacccctcg 480

RAW SEQUENCE LISTING

DATE: 01/15/2002

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Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01152002\I820425B.raw

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130 ggccacggcg cctgcacccc cggcatacgg acaaccgcca cttcactgca cccggaccct 540
131 aacagcacga cgcccaccta ccatgactcc caccaaccca acctgtcgac aacgacaagg 600
132 acgcaacact acaacaagca aaataccact ggccaccgca tagcgccgcc acacacacat 660
133 ggcacagcag gacagctacc cctgctgcca cacactggac catccccggt ccaca      715
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147 <221> NAME/KEY: unsure
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149 <223> OTHER INFORMATION: a, c, g or t
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172 <221> NAME/KEY: unsure
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188 <222> LOCATION: (319)
189 <223> OTHER INFORMATION: a, c, g or t
191 <220> FEATURE:

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RAW SEQUENCE LISTING

DATE: 01/15/2002

PATENT APPLICATION: US/09/820,425B

TIME: 20:24:24

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01152002\I820425B.raw

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194 <223> OTHER INFORMATION: a, c, g or t
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202 <221> NAME/KEY: unsure /
203 <222> LOCATION: (349)
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212 <221> NAME/KEY: unsure
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214 <223> OTHER INFORMATION: a, c, g or t
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219 <223> OTHER INFORMATION: a, c, g or t
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226 <220> FEATURE:
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232 <221> NAME/KEY: unsure /
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234 <223> OTHER INFORMATION: a, c, g or t
236 <220> FEATURE:
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239 <223> OTHER INFORMATION: a, c, g or t
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243 <222> LOCATION: (341)
244 <223> OTHER INFORMATION: a, c, g or t
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W--> 248 gaaggcagcg tgtcacgctg gaatgttctt gnnttaaata tgttcaatga aaccctgtca 120
W--> 249 aagtgcgcgt gttccaattc aatgtgagca agatccctgt taaagatgac aatgtttcag 180
W--> 250 ttaacaggtc agagataaca gtcannaagc gcaagagcca tgtcnnaaag tgtccatgtc 240
W--> 251 tcnnacata agacctggtc gtctctgngc cccaaatata tactntggaa ttccggntt 300

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RAW SEQUENCE LISTING

DATE: 01/15/2002

PATENT APPLICATION: US/09/820,425B

TIME: 20:24:24

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01152002\I820425B.raw

WA> 252 ggcgccantg nttttgaant tncccnctt taancncggc nttgcttnt tgganang 360
 W> 253 naattaactn 370
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 257 <211> LENGTH: 181
 258 <212> TYPE: DNA
 259 <213> ORGANISM: Homo sapiens
 261 <220> FEATURE:
 262 <221> NAME/KEY: unsure
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 264 <223> OTHER INFORMATION: a, c, g or t
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 267 <221> NAME/KEY: unsure
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 269 <223> OTHER INFORMATION: a, c, g or t
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 272 <221> NAME/KEY: unsure
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 274 <223> OTHER INFORMATION: a, c, g or t
 276 <220> FEATURE:
 277 <221> NAME/KEY: unsure
 278 <222> LOCATION: (173)
 279 <223> OTHER INFORMATION: a, c, g or t
 281 <400> SEQUENCE: 10
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 WA> 283 ctttgatcac atcncacag ataatataat atcttcnag tttttttct tattaaacag 120
 WA> 284 ctctgggtgca tagtttttn tttctgggtt atagccttct atcccaaata tanaagctgt 180
 285 g 181
 288 <210> SEQ ID NO: 11
 289 <211> LENGTH: 124
 290 <212> TYPE: DNA
 291 <213> ORGANISM: Homo sapiens
 293 <400> SEQUENCE: 11
 294 acccattaaa ctgctaaaaa acaaattgag tgggtgagaat acaacagaag tccaacttta 60
 295 gattctagag tgtatgtcac cactgtagat atacaactca tcacagcaca cattccaaga 120
 296 ctct 124
 299 <210> SEQ ID NO: 12
 300 <211> LENGTH: 311
 301 <212> TYPE: DNA
 302 <213> ORGANISM: Homo sapiens
 304 <400> SEQUENCE: 12
 305 actccagctc tgtgtgcaag gagatgtgct ggaatgtcac agcatcgtat agcaaagagc 60
 306 atattggcaa cagcttggat ggccagcaga aggagcccaa atgtgtgatt catattcact 120
 307 agtcgaataa ttgaatacta caatatacac catatatact agactgtatg tgttgttcta 180
 308 tactatagtg attgacttga actccattca gtgaaaaaaa tggaagaatt agctatttgt 240
 309 atccatattg gatacaaaaa agcagggtaa caaaagaatc tacatcatct tgccatttgc 300
 310 aggtaaagct t 311
 313 <210> SEQ ID NO: 13
 314 <211> LENGTH: 22
 315 <212> TYPE: DNA

VERIFICATION SUMMARY

DATE: 01/15/2002

PATENT APPLICATION: US/09/820,425B

TIME: 20:24:25

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01152002\I820425B.raw

L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/820,425B

DATE: 01/09/2002

TIME: 14:33:32

Input Set : A:\DEX-203.txt

Output Set: N:\CRF3\01082002\I820425B.raw

**Does Not Comply
Corrected Diskette Needed**

3 <110> APPLICANT: Chen, Sei-Yu
 4 Hu, Ping
 5 Recipon, Herve
 6 Macina, Roberto
 8 <120> TITLE OF INVENTION: Compositions and Methods of Diagnosing, Monitoring,
 9 Staging, Imaging and Treating Lung Cancer
 11 <130> FILE REFERENCE: DEX-0203
 13 <140> CURRENT APPLICATION NUMBER: US/09/820,425B
 14 <141> CURRENT FILING DATE: 2001-03-29
 16 <150> PRIOR APPLICATION NUMBER: 60/192,921
 17 <151> PRIOR FILING DATE: 2000-03-29
 19 <160> NUMBER OF SEQ ID NOS: 19
 21 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

385 <210> SEQ ID NO: 19
 386 <211> LENGTH: 29
 387 <212> TYPE: DNA
 388 <213> ORGANISM: Artificial Sequence
 390 <220> FEATURE:
 391 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 393 <400> SEQUENCE: 19
 394 agcatcgatat agcaaagagc atattggca 29

E--> 397 1
 E--> 400 1

VERIFICATION SUMMARY

DATE: 01/09/2002

PATENT APPLICATION: US/09/820,425B

TIME: 14:33:33

Input Set : A:\DEX-203.txt

Output Set: N:\CRF3\01082002\I820425B.raw

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L:248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:397 M:254 E: No. of Bases conflict, LENGTH:Input:1 Counted:29 SEQ:19
M:254 Repeated in SeqNo=19